

What is claimed is

1. An image forming apparatus comprising
  - a developing means of putting developing material to sticking to an image holder, so as to form an image corresponding to an image data,
  - a developing material supplying means of supplying said developing material to said developing means,
  - a first electricity source for impressing said developing means with a first voltage,
  - a second electricity source for impressing said developing material supplying means with a second voltage,
  - an image density detecting means of detecting image density from said image data, and
  - a controller for controlling each supply of said first electricity source and said second electricity source according to said image density detected by said image density detecting means.
2. An image forming apparatus according to Claim 1, wherein said controller controls the electric potential difference between said first voltage and said second voltage according to said image density detected by said image density detecting means.
3. An image forming apparatus according to Claim 1, further comprising
  - a limiting means for toner, which limits a thickness of toner layer formed on the surface of developing means,
  - wherein said first electricity source impresses said limiting means for toner, with said first voltage.

4. An image forming apparatus according to Claim 1, further comprising an operation amount detecting means of detecting amount of operation, wherein said controller controls each supply of said first electricity source and said second electricity source according to said amount of operation and said image density.
5. An image forming apparatus according to Claim 1, wherein said controller calculates the average image density between the last time of toner tank replacement and the present time, from the records of image density detected by said image density detecting means; so as to control each supply of said electricity sources according to said average image density.
6. An image forming apparatus according to Claim 1, further comprising an environmental condition detecting means of detecting the environmental condition around the apparatus in operation, wherein said controller corrects each supply of said electricity sources according to said environmental condition.
7. An image forming apparatus according to Claim 1, further comprising a surface temperature detecting means of detecting surface temperature of said image holder of said developing means, wherein said controller calculates the average printing temperature from the records of surface temperature detected by said surface temperature detecting means; so as to correct each supply of said electricity sources according to said average printing temperature.

8. An image forming apparatus according to Claim 4, wherein said operation amount detecting means detects said amount of operation according to the revolution number of said image holder of said developing means.

9. An image forming apparatus according to Claim 7, further comprising a presenting means of presenting a prescribed message, wherein said controller informs the user of apparatus of said prescribed message by presenting at said presenting means, when said average printing temperature exceeded a prescribed temperature

10. An image forming apparatus comprising a developing means of putting developing material to sticking to an image holder, so as to form an image corresponding to an image data, a developing material supplying means of supplying said developing material to said developing means, a first electricity source for impressing said developing means with a first voltage, a second electricity source for impressing said developing material supplying means with a second voltage, and a controller for controlling the electric potential difference between said first voltage and said second voltage.